

F 2 WO 49 EP

Patent Attorney's Office
Dr. Meyer-Dulheuer

New claims under Article 19
dated 24th March 2005
for International Patent Application
PCT/EP2004/052895

New Claims for Patent Application
PCT/EP2004/052895

1. A method for continuous stabilisation of pile carpeting, tufted carpeting or plush carpeting, in any case of web-like goods with a visible side whose structure and quality must not be modified and a backing support layer in which the pile-forming yarns are incorporated and are anchored there by means of hydrodynamic water needle-punching, characterised in that a hot melt powder, short-staple fusible fibres or a hot melt film are applied as an intermediate layer to the back of the support layer provided with pile fibres, a nonwoven is placed thereover and the back of the support layer is then subjected twice to hydrodynamic needle-punching, once for intensive bonding of the intermediate layer to the backing fibres of the pile and the support layer and secondly for bonding the nonwoven to the support layer to produce the carpet backing, and then the carpet is subjected to heat treatment to melt the powder, the fusible fibres or the film.
2. The method according to claim 1, characterised in that after the first hydrodynamic needle-punching the carpet is heat-treated to melt the intermediate layer and subjected to further hydrodynamic needling after application of the nonwoven.
3. Web goods consisting of a support layer into which pile-forming yarns are inserted and anchored therein by means of hydrodynamic water needle-punching, characterised in that an intermediate layer of molten powder, molten chemical fibres or a molten film is provided on the back of the support layer provided with pile fibres, and a nonwoven is placed thereover wherein the backing of the support layer has been

subjected twice to hydrodynamic needle-punching, once for intensive bonding of the intermediate layer to the backing fibres of the pile and the support layer and secondly for bonding the nonwoven to the support layer to produce the carpet backing, and then the carpet has been treated with heat to melt the powder, the fusible fibres 54 or the film.